

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Flagellar motility of mouse sperm in the presence of 5 μ M TDI-10229 or 100 nM TDI-11861 before and after stimulation with 25 mM NaHCO₃.

File Name: Supplementary Movie 2

Description: Flagellar motility of human sperm in the presence of 5 μ M TDI-10229 or 100 nM TDI-11861 before and after stimulation with 25 mM NaHCO₃.

File Name: Supplementary Movie 3

Description: Motility of mouse sperm isolated from male mice one hour post oral administration of vehicle, 50 mg/kg TDI-10229, or 50 mg/kg TDI-11861. Motility of sperm isolated from epididymis of male mice was also assessed in the presence of db-cAMP/IBMX.

File Name: Supplementary Movie 4

Description: Motility of sperm isolated from epididymis of male mice injected (i.p.) with vehicle control.

File Name: Supplementary Movie 5

Description: Motility of sperm isolated from epididymis of male mice one hour post injection (i.p.) with 50 mg/kg TDI-10229.

File Name: Supplementary Movie 6

Description: Motility of sperm isolated from epididymis of male mice one hour post injection (i.p.) with 50 mg/kg TDI-11816. Motility of sperm isolated after 1 h was also assessed in the presence of db-cAMP/IBMX.

File Name: Supplementary Movie 7

Description: Motility of ejaculated mouse sperm isolated from the uterus of receptive females one hour post copulation from male mice injected (i.p) with vehicle or 50 mg/kg TDI-11816.